Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	**Germicidal Bleach** Ref#4000023
Manufacturer:	KIK CUSTOM PRODUCTS 2921 Corder Street Houston, Texas 77054
Contact Number:	Tel: 905-660-0444
Emergency 24 Hr Contact:	1-800-255-3924
Prepared By:	KIK CUSTOM PRODUCTS Laboratory
Date Last Revised:	**July 22, 2009**
Replaces Date:	October 30, 2007

Section 2. Hazardous Ingredients

Ingredient	Concentration	CAS#	Worker Exposure Limit
Sodium Hypochlorite	2.5-6.0%	7681-52-9	not established
Sodium Hydroxide	0.1-1.0%	1310-73-2	2 mg/m^3 – TLV-C*

* TLV-C = ACGIH Threshold Limit Value – Ceiling
None of the ingredients in this product are on the IARC or NTP carcinogen lists.

Section 3. Hazards Identification

Route of Entry

Skin	Yes	Eye	Yes
Inhalation	Yes	Ingestion	Yes

Effects of Exposure: May cause substantial but temporary eye injury. May irritate skin. When ingested, may cause nausea and vomiting. Inhalation of vapor will irritate nose, throat and lungs.
Effects of acute exposure: Inhalation of mist or vapor may cause breathing difficulty. Its corrosiveness may cause severe irritation to eyes and skin. May cause permanent damage if not treated properly. Ingestion can cause corrosion of mucous membranes, severe esophageal burns and perforation of esophagus or stomach.
Effects of chronic exposure: Not Known.

Under normal consumer use conditions, the likelihood of any adverse health effects is low. The following medical conditions may be aggravated by exposure to high concentration of vapor or mist: heart conditions or chronic respiratory problems such as asthma, bronchitis or obstructive lung disease. Some clinical tests conducted on intact skin with sodium hypochlorite liquid bleach found no sensitization in the test subjects.

Section 4. First Aid Measures

Skin: Remove contaminated clothing. Wash with copious amount of water. If irritation persists, call a doctor.

Eyes: Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.

Inhalation: Move to fresh air and restore breathing,. If breathing problems develop, call a doctor.

Ingestion: DO NOT INDUCE VOMITING! Drink large amounts of water. Do not give anything by

mouth to a convulsing or unconscious person. See a doctor immediately.

General Advice: If irritation occurs, see a doctor immediately.

Section 5. Preventative Measures

Protective Equipment

Gloves: Impervious PVC or Neoprene.
Eyes: Safety glasses at the very least. Chemical splash goggles. Face shield also helpful.

Respiratory: Not normally required. Footwear: Protect shoes and feet when using product for floor cleaning.

LEAK AND SPILL PROTECTION:
Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer.
Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways
WASTE DISPOSAL: Reclaim or dispose in accordance with local regulations.
STORAGE REQUIREMENTS: Store in a cool, dry and well-ventilated area.

Section 6. Physical Data

State	Liquid	**pH**	12.6 maximum
Appearance	Clear Pale yellow	**Specific Gravity**	1.080 minimum
Odour	Typical Bleach	**Solubility in water**	Complete

Section 7. Fire & Explosion

Not flammable nor explosive

Section 8. Reactivity Data

Chemical Stability: Stable under normal use and storage conditions.

Conditions: Temperature above 40 °C, sunlight and metals,
Incompatibility: YES X NO

What Substances? Acids, ammonia, urea, metals & oxidizers.

Reactivity / Conditions: Reacts with other household products containing such chemicals as acids, rust removers, urea or ammonia to produce hazardous gases such as chlorine and other chlorinated species. Oxygen is released on contact with metals. Extended contact with metals may cause discoloration or pitting

Section 9. Regulatory Information

WHIMS:

Health: 2
Flammability: 0
Reactivity: 1

DOT : Not Regulated

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